

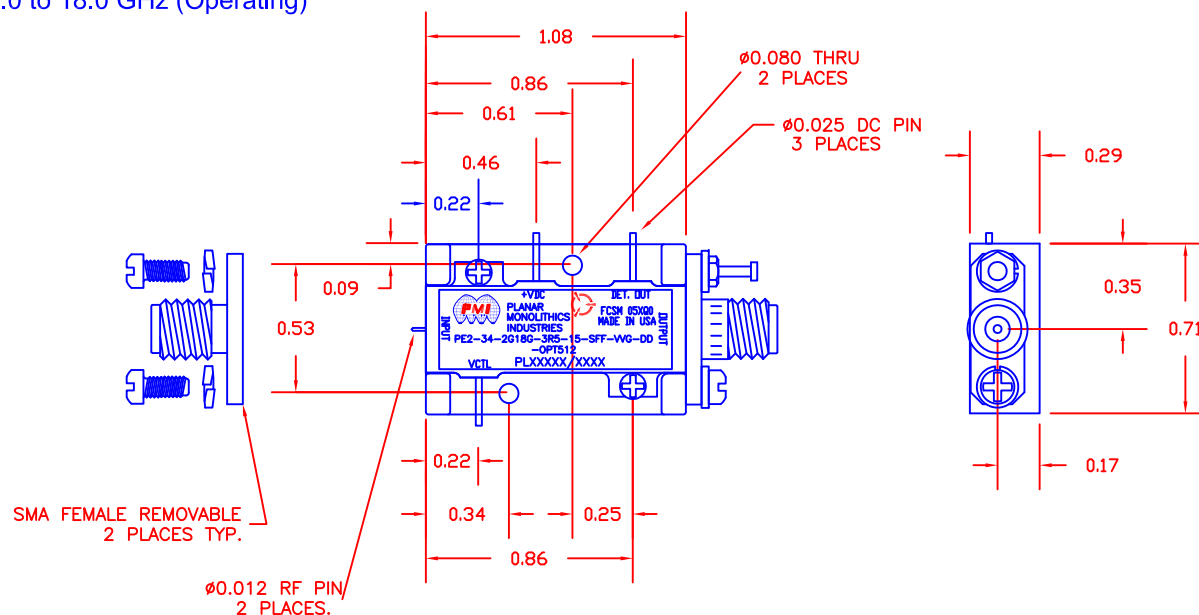
Description:

PMI model # PE2-34-2G18G-3R5-15-SFF-VVG-DD-OPT512 is a voltage variable gain amplifier with integrated diode detector that operates over the frequency range 2.0 to 18.0 GHz, but is optimized over 5.0 to 12.0GHz (Option 512). This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

Specifications:

Frequency Range:	5.0 to 12.0 GHz (Optimized) / 2.0 to 18.0 GHz (Operating)
Linear Gain:	30dB Min.
*Gain Flatness:	+/- 1.0dB Goal / +/- 1.5dB Max.
*Noise Figure:	3.5dB Max.
*OP1dB:	+13dBm Min.
VSWR Input/Output:	2.0:1 Max.
Gain Control:	15 dB Typ. / 12 dB Min.
Control Voltage:	0 to 5VDC (0V = Max Gain)
Diode Detector:	Included at the output port
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	280mA Nominal
Connectors In/Out	SMA Female
Finish	Gold Plated

*At 0dB Attenuation



PMI CONFIDENTIAL AND PROPRIETARY

Environmental Ratings:

Temperature:	-55 to +85 Deg. C (Operating); -55 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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APPROVALS		DATE	TITLE PRODUCT FEATURE PE2-34-2G18G-3R5-15-SFF-WG-DD-OPT512				REV.
DRAWN <i>KM</i>		7/18/14					
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27023541	1	
ISSUED			SCALE N:S		SHEET 1 OF 1		